

REMARKS**Summary of the Office Action**

Claims 17-19 remain rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent Publication No. 2003/0063453 to Kusagaya et al. in view of U.S. Patent No. 6,693,793 to Kuwako et al., U.S. Patent No. 5,912,809 to Steigerwald et al. and U.S. Patent Publication No. 2003/0161959 to Kodas.

Claims 20 and 22 remain rejected under 35 U.S.C. § 103(a) as being unpatentable over the modified circuit board of Kusagaya et al. as applied to claim 17 above, and further in view of U.S. Patent No. 5,155,072 to Bruno et al.

Claim 21 has been indicated as containing allowable subject matter.

Summary of the Response to the Office Action

Applicants have amended independent claim 17 by incorporating objected-to claim 21, which is indicated as containing allowable subject matter, into claim 17, and canceled claim 21 without prejudice or disclaimer. Accordingly, claims 17-20 and 22 remain pending in this application for further consideration with claims 1-16 and 23-25 being withdrawn from consideration.

Rejections under 35 U.S.C. § 103(a)

Claims 17-19 remain rejected under 35 U.S.C. § 103(a) as being unpatentable over Kusagaya et al. in view of Kuwako et al., Steigerwald et al. and Kodas. Claims 20 and 22

remain rejected under 35 U.S.C. § 103(a) as being unpatentable over the modified circuit board of Kusagaya et al. as applied to claim 17 above, and further in view of Bruno et al. To the extent that the rejections might be reapplied to the claims as presently amended, they are respectfully traversed as being based on references that, whether taken individually or in combination, do not teach or suggest the novel combination of features recited in the claims.

The Office Action has indicated that claim 21 includes allowable subject matter. Since Applicants have amended independent claim 17 by incorporating the features of object-to claim 21 into claim 17, Applicants respectfully submit that the rejection of independent claim 17 becomes moot. Accordingly, withdrawal of the rejection of independent claim 17 under 35 U.S.C. § 103(a) is thus respectfully requested. Applicants respectfully submit that independent claim 17 is in condition for allowance. Further, Applicants respectfully submit that claims 18-20 and 22 are also in condition for allowance at least because of their dependencies from independent claim 17.

With no other rejections pending, Applicant respectfully asserts that claims 17-20 and 22 are in condition for allowance.

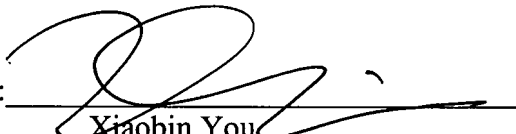
Conclusion

In view of the foregoing, Applicants respectfully request entry of the amendments to place the application in clear condition for allowance or, in the alternative, in better form for appeal. Should the Examiner believe that there are any issues outstanding after consideration of this response, the Examiner is invited to contact Applicants' undersigned representative to expedite prosecution.

If there are any other fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

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